

REMARKS

This amendment is in response to an August 25, 2004 Office action. Upon entry of this amendment, claims 3, 6, 27, 36 and 37 will be pending.

In the Office action, the Examiner rejected claims 3, 6, 27, 36 and 37 under 35 U.S.C. 102 (b) using Fujiyama et al (JP 9-48121). Applicant has the following comments.

In each of these claims, Applicant claims "a substrate being a single integrated monolithic and homogenous unit of silicon". In Fujiyama '121, the corresponding part to Applicant's substrate is reference numeral 3, which is an insulating base. Insulating base 3 in Fujiyama '121 is glass. Because Applicant claims silicon and Fujiyama '121 uses glass, Applicant submits that Applicant's claimed ink jet printhead is not taught by Fujiyama '121. Therefore, the rejection to claims 3, 6, 27, 36 and 37 must be withdrawn.

In the Office action, the Examiner states on page 6 that paragraph 0006 of Fujiyama '121 teaches that insulating base 3 is silicon. Applicant disagrees. Applicant submits that paragraph 0006 along with FIG. 7 of Fujiyama '121 discusses prior art and is in the section called "Description of the Prior Art". The Examiner's attention is kindly drawn to paragraph 0013 of Fujiyama '121 where glass, and not silicon is used for the insulation base because, among many reasons, it is cheaper. Applicant therefore submits that Fujiyama '121, and especially FIG. 5 of Fujiyama '121 teaches away from a silicon substrate. Therefore, the rejection of claims 3, 6, 27,

36 and 37 must be withdrawn.

In the Office action, the Examiner has rejected claim 27 under 35 U.S.C. 103 (a) as being unpatentable over Murthy et al (USP 6,045,214) in view of Bassous et al (USP 3,949,410)

Regarding the claim 27 final rejection, Appellant claims, “wherein each chamber-orifice complex hole corresponds to at least one of said plurality of ink feed holes”. In the Office action, the Examiner indicates that FIG. 1 of Murthy ‘214 teaches this feature without any more guidance as to exactly what reference numerals or line or column numbers in Murthy ‘214 teach this feature.

Applicant submits that FIG. 1 of Murthy ‘214 is a cross section of FIG. 2 which shows seven nozzle holes 18 that correspond to one ink supply 24. Because there are fewer ink supply holes 24 than nozzle holes 18 in Murthy ‘214, Applicant submits that Murthy ‘214 is lacking the one-to-one correspondence between the chamber-orifice holes and the ink feed holes that Applicant is claiming. Because neither Murthy ‘214 nor Bassous ‘410 teach this feature of Applicant’s claim 27, the rejection of claim 27 in using Bassous ‘410 and Murthy ‘214 cannot stand.

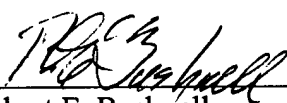
In the Office action, the Examiner contends that Applicant’s above argument is faulty because Applicant does not claim in claim 27 a one-to-one correspondence between the nozzle

holes (or chamber-orifice holes) and the ink feed holes. Applicant submits that the above quoted language from claim 27 means that for each nozzle hole or chamber orifice hole, there is at least one ink feed hole. Thus, the above language from Applicant's claim 27 out rules the scenario where there is more than one nozzle hole for each ink feed hole, which is exactly what Murthy '214 teaches. Therefore, the references of Murthy '214 and Bassous '410, either taken alone or in combination, fail to meet the limitations of Applicant's claim 27. Therefore, the rejection to claim 27 using Murthy '214 and Bassous '410 must be withdrawn.

No fees are incurred by the filing of this amendment.

In view of the above, all claims are deemed to be allowable and this application is believed to be in condition to be passed to issue. Should any questions remain unresolved, the Examiner is requested to telephone Applicants' attorney.

Respectfully submitted,


Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

1522 "K" Street N.W., Suite 300
Washington, D.C. 20005
(202) 408-9040
Folio: P56310
Date: 11/10/2004
I.D.: REB/ML